# Maintenance requirements

**To ensure safe and economical driving, day-to-day care and regular maintenance is essential. It is the owner's responsibility to perform regular checks. Lexus recommends the following maintenance.**

## n General maintenance

Should be performed on a daily basis. This can be done by yourself or by a Lexus dealer.

## n Scheduled maintenance

Should be performed at specified intervals according to the maintenance schedule.

For details about maintenance items and schedules, refer to the "Warranty and Services Guide/Owner's Manual Supplement/Scheduled Maintenance".

## n Do-it-yourself maintenance

You can perform some maintenance procedures yourself.
Please be aware that do-it-yourself maintenance may affect warranty coverage.

The use of Lexus Repair Manuals is recommended.

For details about warranty coverage, see the separate "Owner's Guide", "Warranty and Services Guide", "Owner's Manual Supplement" or "Warranty Booklet".

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### n Repair and replacement

It is recommended that genuine Lexus parts be used for repair to ensure performance of each system. If non-Lexus parts are used in replacement or if a repair shop other than a Lexus dealer performs repairs, confirm the warranty coverage.

## Allow inspection and repairs to be performed by a Lexus dealer

- Lexus technicians are well-trained specialists and are kept up to date with the latest service information. They are well informed about the operations of all systems on your vehicle.
- Keep a copy of the repair order. It proves that the maintenance that has been performed is under warranty coverage. If any problem should arise while your vehicle is under warranty, your Lexus dealer will promptly take care of it.

**CAUTION**

**If your vehicle is not properly maintained**

It could result in serious damage to the vehicle and possible serious injury or death.

**Hazardous materials**

- Engine exhaust, some of its constituents, and a wide variety of automobile components contain or emit chemicals known to the State of California to cause cancer and birth defects and other reproductive harm. Work in a well ventilated area.
- Oils, fuels and fluids contained in vehicles as well as waste produced by component wear contain or emit chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Avoid exposure and wash any affected area immediately.
- 12 volt battery posts, terminals and related accessories contain lead and lead compounds which are known to cause brain damage. Wash your hands after handling. (→P. 434)
- Used engine oil contains chemicals that have been shown to cause cancer in laboratory animals. Avoid prolonged and repeated contact. Always protect your skin by washing thoroughly with soap and water.

# General maintenance

Listed below are the general maintenance items that should be performed at the intervals specified in the "Warranty and Services Guide/Owner's Manual Supplement". It is recommended that any problem you notice should be brought to the attention of your Lexus dealer or qualified service shop for advice.

## Engine compartment

| Items | Check points |
|---|---|
| Brake fluid | • At the correct level? (→P. 433) |
| Engine coolant | • At the correct level? (→P. 431) |
| Engine oil | • At the correct level? (→P. 427) |
| Exhaust system | • No fumes or strange sounds? |
| Radiator/condenser/hoses | • Not blocked with foreign matter? (→P. 432) |
| Washer fluid | • At the correct level? (→P. 437) |
| 12 volt battery | • Maintenance-free (→P. 434) |

## Vehicle interior

| Items | Check points |
|---|---|
| Accelerator pedal | • Moves smoothly (without uneven pedal effort or catching)? |
| Automatic transmission "Park" mechanism | • Can the vehicle be hold securely on an incline with the shift lever in "P"? |
| Brake pedal | • Moves smoothly?<br>• Does it have appropriate clearance and correct amount of free play? |
| Brakes | • Pulls to one side when applied?<br>• Loss of brake effectiveness?<br>• Spongy feeling brake pedal?<br>• Pedal almost touches floor? |
| Head restraints | • Move smoothly and lock securely? |
| Indicators/buzzers | • Function properly? |
| Lights | • Do all the lights come on?<br>• Headlights aimed correctly? (→P. 485) |
| Parking brake | • Moves smoothly?<br>• Can hold the vehicle securely on an incline? |
| Seat belts | • Does the seat belt system operate smoothly?<br>• Are the belts undamaged? |
| Seats | • Do the seat controls operate properly? |
| Steering wheel | • Moves smoothly?<br>• Has correct free play?<br>• No strange noises? |

## Vehicle exterior

| Items | Check points |
| --- | --- |
| Doors/trunk | • Operate smoothly? |
| Engine hood | • The lock system works properly? |
| Fluid leaks | • Is there any leakage after parking? |
| Tire | • Inflation pressure is correct?<br>• Tire surfaces not worn or damaged?<br>• Tires rotated according to the maintenance schedule?<br>• Wheel nuts are not loose? |

**CAUTION**

- **If the engine is running**

Turn off the engine and ensure that there is adequate ventilation before performing maintenance checks.

# Emission inspection and maintenance (I/M) programs

**Some states have vehicle emission inspection programs which include OBD (On Board Diagnostics) checks. The OBD system monitors the operation of the emission control system.**

**n If the malfunction indicator lamp comes on**

The OBD system determines that a problem exists somewhere in the emission control system. Your vehicle may not pass the I/M test and may need to be repaired. Contact your Lexus dealer to service the vehicle.

**n Your vehicle may not pass the I/M test:**

l When the 12 volt battery is disconnected or discharged

Readiness codes that are set during ordinary driving are erased. Also, depending on your driving habits, the readiness codes may not be completely set.

l When the fuel tank cap is loose

The malfunction indicator lamp comes on as a temporary malfunction and your vehicle may not pass the I/M test.

**n When the malfunction indicator lamp goes off after several driving trips**

The error code in the OBD system will not be cleared unless the vehicle is driven 40 or more times.

**n If your vehicle does not pass the I/M test**

Contact your Lexus dealer to prepare the vehicle for re-testing.